

1           1. (Allowed) A drum system comprising, in combination:  
2           a drum shell of generally cylindrical configuration;  
3           a drum head of generally flat circular configuration and being  
4 adapted to rest upon the upper extremity of the shell;  
5           a ring shaped rim fitted over the outer circumference of the  
6 head, the cooperating surfaces of the shell and head being such  
7 that depressing the rim downwardly tends to increase lateral  
8 tension in the head;  
9           a tensioning rod having an upper end rotatably supported from  
10 a point on the circumference of the rim, and a threaded lower end;  
11           a lug assembly secured on the outer surface of the shell  
12 adjacent the lower end of the tensioning rod and rotatable about  
13 a horizontal axis that extends radially relative to the shell;  
14           the lug assembly having a lug body with an upwardly directed  
15 opening adapted to receive the lower end of the tensioning rod;  
16           the lug body also having a transverse opening that intersects  
17 the top opening in a mutually perpendicular relationship;  
18           a cross-pin disposed within the transverse opening and movable  
19 both rotatably and longitudinally relative thereto;  
20           the cross-pin having a threaded transverse opening engageable  
21 by the threaded lower end of the tensioning; and  
22           the top opening in the lug body being of greater dimension  
23 than the threaded lower end of the tensioning rod in directions  
24 both perpendicular to and parallel to the adjacent surface of the  
shell.

1           2. (Allowed) A drum head securement device comprising:  
2           a tensioning rod adapted to extend downwardly through a hole  
3           in a drum head rim, having a flange on its upper end to maintain  
4           its vertical position relative to the rim, its upper end above the  
5           flange being also wrench engageable for rotation relative to the  
6           rim, and the rod also being threaded on its lower end;  
7           a lug body having a flat surface adapted to engage the outer  
8           surface of a drum shell, and a spud projecting from its flat  
9           surface for insertion into and through an opening in the shell;  
10          a fastening screw for securing the spud inside the shell, the  
11          lug thereby being rotatably adjustable about the longitudinal axis  
12          of the spud;  
13          the lug body having a transverse side opening and an upwardly  
14          directed top opening that intersect and are mutually perpendicular;  
15          a cross-pin disposed within the side opening of the lug body  
16          and movable both rotatably and longitudinally relative thereto;  
17          the cross-pin having a threaded transverse opening engageable  
18          by the threaded lower end of the tensioning rod so that the  
19          tensioning rod may be driven in rotation to tighten it and hence  
20          depress an associated radial edge of the head; and  
21          the top opening in the lug body being of greater dimension  
22          than the lower end of the tensioning rod in directions both  
23          perpendicular to and parallel to the adjacent surface of the shell,  
24          whereby the lower end of the tension rod may either twist in a  
25          vertical plane perpendicular to the adjacent surface of the drum  
26          shell, or may move laterally in a plane parallel to the drum shell  
surface.

3. Claim 3 [Cancelled]

4. [Newly presented] In a drum assembly having a drum shell of generally cylindrical configuration, a drum head, a rim on the head, and a tensioning rod with an upper end supported on the rim and a threaded lower end which extends downwardly, a lug assembly comprising:

a lug body secured on the outer surface of the shell and rotatable about a horizontal axis that extends radially relative to the shell, the lug body having a top opening for receiving the lower end of the tensioning rod, the lug body also having a transverse opening that intersects the top opening in a mutually perpendicular relationship; and

a cross pin disposed within the transverse opening in the lug body and movable both rotatably and longitudinally therein, the cross pin having a threaded opening engageable by the lower end of the tensioning rod.

5. [Newly presented] A lug assembly as in Claim 4 wherein the top opening in the lug body is of larger diameter than the lower end of the tensioning rod.